

RENNER, OTTO, BOISSELLE &amp; SKLAR

Attorney Docket No. DYOUP0252US

PATENT (OUS)

**COMBINED DECLARATION AND POWER OF ATTORNEY**  
(ORIGINAL, DESIGN, NATIONAL STAGE OF PCT)

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name; and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Title: OPTICAL DEVICE WITH IMMEDIATE GAIN FOR BRIGHTNESS ENHANCEMENT OF OPTICAL PULSES

the specification of which

☐ is attached hereto, or

☒ was filed as United States Application or PCT International Application (give Express Mail label number and deposit date if Application number not yet known):

Application No.: 10/619,947

(Express Mail Label No.)

Filing Date: July 15, 2003

(Deposit Date)

Amended on (if applicable):

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56(a).

**PRIORITY CLAIM**

I hereby claim priority benefits under Title 35, United States Code, §119 of (i) any foreign application(s) for patent or inventor's certificate or of any PCT international application(s) designating at least one country other than the United States of America listed below and have also identified below any foreign application(s) for patent or inventor's certificate or any PCT international application(s) designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed; and (ii) any United States provisional application(s) that is/are listed below.

☒ no such applications have been filed.

☐ such applications have been filed as follows.

**EARLIEST FOREIGN/PROVISIONAL APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	PRIORITY CLAIMED	
			Yes	No

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS  
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. (List name and registration number)

Armand P. Boisselle, Reg. No. 22,381; Warren A. Sklar, Reg. No. 26,373; Don W. Bulson, Reg. No. 28,192

The undersigned to this declaration and power of attorney hereby authorizes the U.S. attorney(s) named herein to accept and follow instructions from

Authorized representative: D. Young & Co., Briton House, Briton Street, Southampton SO14 3EB, United Kingdom

as to any actions to be taken in the Patent and Trademark Office regarding this application without direct communication between the U.S. attorney(s) and the undersigned. In the event of a change in the person(s) from whom instructions may be taken, the U.S. attorney(s) will be so notified by the undersigned.

Send Correspondence To

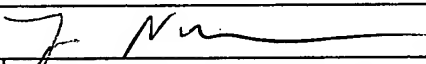
Don W. Bulson, Esq.  
Renner, Otto, Boisselle & Sklar, P.L.L.  
1621 Euclid Ave., 19th Floor  
Cleveland, Ohio 44115

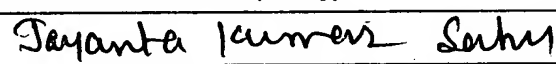
Direct Telephone Calls To:

(name and telephone number)

Don W. Bulson  
(216) 621-1113

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

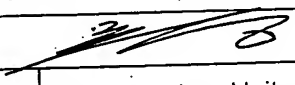
Full Name of Sole or First Inventor:		Johan Nilsson	
Inventor's signature:		Date:	Sept 23 2003
Residence: (City & State/Country):	Southampton, United Kingdom	Citizenship:	Swedish
Post Office Address:	c/o Optoelectronics Research Centre University of Southampton Highfield, Southampton Hants SO17 1BJ UNITED KINGDOM		

Full Name of Additional Joint Inventor (if any):		Jayanta K. Sahu	
Inventor's signature:		Date:	24.09.03
Residence: (City & State/Country):	Southampton, United Kingdom	Citizenship:	Indian
Post Office Address:	c/o Optoelectronics Research Centre University of Southampton Highfield, Southampton Hants SO17 1BJ UNITED KINGDOM		

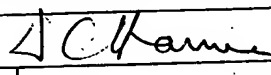
CHECK FOR ANY OF THE FOLLOWING ADDED PAGE(S) WHICH  
FORM A PART OF THIS DECLARATION

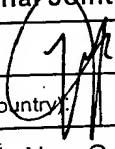
- ☒ Signature for additional joint inventors.  
☐ Added page to combined declaration and power of attorney for divisional, continuation, or continuation-in-part (CIP) application.  
☐ This declaration ends with this page.

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS**

<b>Full Name of Additional Joint Inventor (if any):</b>		Joo Nyung Jang	
Inventor's signature:		Date:	03/10/03
Residence: (City & State/Country):	Southampton, United Kingdom	Citizenship:	South Korean
Post Office Address:	c/o Optoelectronics Research Centre University of Southampton Highfield, Southampton Hants SO17 1BJ UNITED KINGDOM		

<b>Full Name of Additional Joint Inventor (if any):</b>		Romeo Selvas	
Inventor's signature:		Date:	
Residence: (City & State/Country):	Southampton, United Kingdom	Citizenship:	Mexican
Post Office Address:	c/o Optoelectronics Research Centre University of Southampton Highfield, Southampton Hants SO17 1BJ UNITED KINGDOM		

<b>Full Name of Additional Joint Inventor (if any):</b>		David C. Hanna	
Inventor's signature:		Date:	1/10/03
Residence: (City & State/Country):	Southampton, United Kingdom	Citizenship:	British
Post Office Address:	c/o Optoelectronics Research Centre University of Southampton Highfield, Southampton Hants SO17 1BJ UNITED KINGDOM		

<b>Full Name of Additional Joint Inventor (if any):</b>		Anatoly Grudinin	
Inventor's signature:		Date:	5-04-03
Residence: (City & State/Country):	Southampton, United Kingdom	Citizenship:	Russian
Post Office Address:	c/o New Optics Ltd 20 Compass Point Hamble, Southampton Hants SO31 4RA UNITED KINGDOM		



RENNER, OTTO, BOISSELLE & SKLAR

**ADDED PAGE TO COMBINED DECLARATION AND POWER OF ATTORNEY  
FOR SIGNATURE BY THIRD AND SUBSEQUENT INVENTORS**

<b>Full Name of Additional Joint Inventor (if any):</b> Joo Nyung Jang			
Inventor's signature:		Date:	
Residence: (City & State/Country):		Southampton, United Kingdom	Citizenship: South Korean
Post Office Address:	c/o Optoelectronics Research Centre University of Southampton Highfield, Southampton Hants SO17 1BJ UNITED KINGDOM		

<b>Full Name of Additional Joint Inventor (if any):</b> Romeo Selvas			
Inventor's signature:		Date: October 7 <sup>th</sup> , 2003	
Residence: (City & State/Country):		Southampton, United Kingdom	Citizenship: Mexican
Post Office Address:	c/o Optoelectronics Research Centre University of Southampton Highfield, Southampton Hants SO17 1BJ UNITED KINGDOM		

<b>Full Name of Additional Joint Inventor (if any):</b> David C. Hanna			
Inventor's signature:		Date:	
Residence: (City & State/Country):		Southampton, United Kingdom	Citizenship: British
Post Office Address:	c/o Optoelectronics Research Centre University of Southampton Highfield, Southampton Hants SO17 1BJ UNITED KINGDOM		

<b>Full Name of Additional Joint Inventor (if any):</b> Anatoly Grudinin			
Inventor's signature:		Date:	
Residence: (City & State/Country):		Southampton, United Kingdom	Citizenship: Russian
Post Office Address:	c/o New Optics Ltd 20 Compass Point Hamble, Southampton Hants SO31 4RA UNITED KINGDOM		

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re PATENT application of:

Applicants: Johan Nilsson et al.  
Serial No: 10/619,947  
Filed: July 15, 2003  
Title: OPTICAL DEVICE WITH IMMEDIATE GAIN FOR BRIGHTNESS  
ENHANCEMENT OF OPTICAL PULSES

Art Unit:  
Examiner:

Patent & Trademark Office  
DEC 01 2003

Attorney Docket No. DYOUP0252US

**POWER OF ATTORNEY BY ASSIGNEE OF ENTIRE INTEREST**  
**(REVOCATION OF PRIOR POWERS AND EXCLUSION OF INVENTIVE ENTITY)**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The assignee of the entire right, title and interest of the above identified patent application, by virtue of an assignment, [X] copy attached [ ] recorded in the Patent and Trademark Office at Reel <REEL>, Frame <FRAME>, hereby revokes all powers of attorney previously given and hereby appoints the following attorneys to prosecute and transact all business in the Patent and Trademark Office connected with the above referenced application and to the exclusion of the inventive entity or any prior assignees.

Don W. Bulson, Registration No. 28,192

Send correspondence and direct telephone calls to:

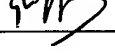
Don W. Bulson, Esq.  
RENNER, OTTO, BOISSELLE & SKLAR  
1621 Euclid Avenue, 19th Floor  
Cleveland, Ohio 44115  
Tel: 216-621-1113  
Fax: 216-621-6165

The undersigned has reviewed all the documents in the chain of title of the patent application identified above and, to the best of the undersigned's knowledge and belief, title is in the assignee identified below.

The undersigned further declares that he is empowered to act on behalf of the assignee, and that all statements made herein of his own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

University of Southampton

Date: 16-10-03

By:   
Name: Peter Hooper  
Title:

Deputy Director, CEI

University of Southampton